

# **IMPLEMENTATION PLAN**

## **BLOCK TRACE**

### **GROUP 11**

#### **Project Advisor**

Sir. Hafiz Muhammad Faisal Shahzad

#### **Project Manager**

Sir. Fahad Maqbool

#### **Project Team**

<b>Names:</b>	<b>Roll#:</b>	<b>Team Roles:</b>
Muhammad Farhan Asghar	BSSE51F20R038	Team Lead
Hinza	BSSE51F20R006	Team Member
Sidratul Muntaha	BSSE51F20R013	Team Member

**Week 1:** Setting up development environment, configure vs code set up github repository and install necessary extensions

**Week 2:** Initialize project in React js and Next js, do all the configuration related to this, add all the dependencies and configuration.

**Week 3:** Start creating smart contracts using Solidity for Ethereum, focusing on essential supply chain operations.

**Week 4:** Continue smart contract development, adding additional features and testing

**Week 5:** Add the script to deploy contract to deploy the contract on localhost.

**Week 7:** Begin integrating the developed smart contracts with the Ethereum blockchain.

**Week 8:** Test blockchain integration, ensuring data consistency and security.

**Week 9:** Start writing context provider in React

**Week 10:** Start developing Frontend Components Navbar, Footer and Services

**Week 11:** developing Frontend Components Table, Form,getShipment

**Week 12:** developing Frontend Components startShipment, completeShipment, and Profile

**Week 13:** develop backend for application in node js

**Week 14:** integrate backend on frontend

**Week 15:** add charts for visualization

**Week 16:** Conduct comprehensive testing of the entire system, including blockchain transactions, smart contracts, and frontend functionality.